



Shanghai Jichuan Trading

LIQUI[®]mate 8100 1K PUR (1C PUR)

DESCRIPTION

A 1-component, paste-like polyurethane-based adhesive/sealant which is cross-linked (cured) by the moisture from the air to form a rubbery-elastic material. The skinning and curing times are both dependent on the humidity of the air and the temperature, but the curing time is also dependent on the depth of the joint. These times can be shortened by raising the temperature and the humidity, but lower temperatures and humidities have a retarding effect.

PROPERTIES

- good adhesion without primer on painted surfaces, many materials and plastics
- can be painted over immediately using 2-component paints
- rigid
- sprayable, paste-like
- fast cure
- outstanding elasticity
- very workable
- permanently elastic after curing
- outstanding chemical resistance

TECHNICAL DATA

Base	:	polyurethane
Color	:	white
Odor	:	characteristic
Consistency	:	paste-like
Density	:	1.2 g/cm ³
Flash point	:	>55 °C
Curing system	:	cured by moisture in the air
Curing rate	:	3 mm/ 24 h (+20 °C and 65 % r.h.)
Skinning*	:	approx. 15 min (+20 °C and 65 % r.h.)
Shore A hardness (DIN 53 505)	:	40 +/- 5
Shrinkage	:	max. 4 %
Heat resistance		
after curing	:	-30°C to +90°C
Resilience	:	>80 %
Maximum deformation	:	15 %
Maximum stress	:	1.50 N/mm ² (DIN 530504)
Module of elasticity 100 %	:	0.60 N/mm ² (DIN 53 504)

* These values may vary due to environmental factors such as temperature, humidity and the nature or the substrate.

Shanghai Jichuan Trading Co.,Ltd.

Add: No 1201, Yin Hai Building, Caoxi Road, Tel: (86) 021-64820099
Xuhui District, Shanghai

24h Hotline: 15900706965

Fax: (86) 021-64513829

Website: www.pingyiao.com

E-mail: info@jichuan.sh.cn



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APPLICATIONS

LIQUI^{mate} 8100 1C PUR is used for elastic sealing/adhesion, particularly for seam sealing and the sealing of narrow joints in the following areas of use:

- body manufacture and vehicle manufacture
- wagon building and container manufacture
- motor vehicle body building
- ship and boat building
- metal and sheet-metal working
- bonding of custom parts such as spoilers and decorative trims

for both interior and exterior applications.

Note on working with adhesive sealants

In general, the material is ready to be overcoated following skin formation time.

- Do not work with the product in temperatures below 10 °C.
- For temperatures between 10 °C and 15 °C, drying takes approx. 2 - 3 hours.
- The optimal processing temperature is between 15 °C and 25 °C.

For safety reasons, check to see that there is skin formation prior to overcoating!

As sealants are not completely dry following skin formation time, the vehicle should be parked in a room whose temperature is above 15 °C for at least 24 hours after sealing, if the outside temperature is below 10 °C.

APPLICATION

All external seams should be painted over. LIQUI^{mate} 8100 1C PUR offers a great advantage in that it both seals and bonds the material. LIQUI^{mate} 8100 1C PUR is not suitable or is only suitable to a limited extent for structural bonds.

AVAILABLE PACK SIZE

LIQUI ^{mate} 8100 1C PUR (white)	310 ml cartridge	Part. no. 6147
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Processing equipment

- Compressed air cartridge gun, Part no. 6229
- Telescopic gun, Part no. 6230
- LIQUI-Akkufix, Part no. 6209

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